Translation treaty

reo'd	25	APR	2008
A HELCH	*****	A CONTRACTOR OF THE PARTY OF TH	מם

1 TOILL LILC		
INTERNATIONAL	SEARCHING	AUTHORITY

NTERNATIONAL SEARCHING AUTHORIT	Y		
To: 100083			PCT
7 th Floor, Xueyuan International Zhichun Road, Haidian Distric ^e DEQI INTELLECTUAL PROPERTY LAW	t, Beijing		NION OF THE INTERNATIONAL RCHING AUTHORITY
		1)	PCT Rule 43 bis.1)
		Date of mailing	06 (20 · 04 · 20 0 6)
Applicant's or agent's file reference		FOR FURTHER AC	CTION
DF0507214P			see paragraph 2 below
International application No.	International filing	date (day/month/year)	Priority date (day/month/year)
PCT/CN2006/000044	12 Jan. 2006	(12.01.2006)	12 Jan. 2005 (12. 01. 2005)
ternational Patent Classification (IPC) or both national classification and IPC			
		(2006. 01) i	
Applicant H	IIAWEI TECHNOLO	GIES CO., LTD ET A	L
	O/MET TEGIMOE		
Box No. IV Lack of unity of i Box No. V Reasoned statemer citations and expla Box No.VI Certain document Box No. VII Certain defects in Box No.VIII Certain observati 2. FURTHER ACTION If a demand for international prelimina International Preliminary Examining Authority other than this one to be the II written opinions of this International Se	on at of opinion with regree needs of opinion with regree needs of the international approach on the internation of the internation is many examination is many examination is many examination ("IPEA") PEA and the chosen arching Authority with an examination of 22 months	gard to novelty, inventive (a)(i)with regard to nove such statement olication nal application made, this opinion will b except that this does not state the little of the little of the little opinion of the IPI and ments, before the exp	elty, inventive step or industrial applicability; elty, inventive step or industrial applicability; e considered to be a written opinion of the not apply where the applicant chooses an ernational Bureau under Rule 66.1 bis(b) that 3A, the applicant is invited to submit to the iration of 3 months from the date of mailing thichever expires later.
3. For further details, see notes to Form PC	T/ISA/220.		

Name and mailing address of the ISA/CN The State Intellectual Property Office, the P.R.China 6 Xitucheng Rd., Jimen Bridge, Haidian District, Beijing, China 100088 Facsimile No. 86-10-62019451

Date of completion of this opinion

10 Apr. 2006 (10.04.2006)

Authorized officer, ZHAOL I ANG

Telephone No. 8610-62084576

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/CN2006/000044

Box	No.	I	Basis of the opinion	
			ard to the language, this opinion has been established on the basis of:	
1.	VV ILI	ı reg	ard to the language, this opinion has been established on any	
		a f	e international application in the language in which it was filed translation of the international application into	, which is the language of a translation
2.	With	h reg entic	gard to any nucleotide and/or amino acid sequence disclosed in the international on, this opinion has been established on the basis of:	application and necessary to the claimed
	a.	typ 	e of material a sequence listing table(s) related to the sequence listing	
	b.	for	mat of material on paper in electronic form	
	c.	tin	ne of filing/furnishing contained in the international application as filed filed together with the international application in electronic form furnished subsequently to this Authority for the purposes of search	
3.		fur	addition, in the case that more than one version or copy of a sequence listing and/ nished, the required statements that the information in the subsequent or addi- plication as filed or does not go beyond the application as filed, as appropriate, were	tional copies is identical to that in the
4.	Ad	ditio	onal comments:	

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/CN2006/000044

x No. V			ard to novelty, inventive step or ind	ustriai applicability
	citations and explanation	s supporting such statement	:	
Statemen	t:			
Novelty (N)		Claims	1-46	YES
		Claims		NO
Inve	entive step (IS)	Claims	1-46	YES
		Claims		NO
Indus	strial applicability (IA)	Claims	1-46	YES
	Claims		NO	

The present invention relates to a separated base station system includes: separated baseband units (BBUs) of BSs and separated radio frequency units (RFUs) of BSs, and baseband-radio frequency interfaces provided on the RFUs which are connected with the BBUs and transmit data information.

The following documents are cited here:

D1: US 6058317 A

D2: CN 1284824 A

D3: JP 2004040802 A

D1 discloses a radio system base station comprising CPU with at least one baseband frame unit for supplying baseband signals via switch to either of two radio channel units and radio set units which are separate from one another.

D2 discloses a Pico-BTS (Base station Transceiver Subsystem) comprising Pico-BTS architecture divided into Pico-BTS main Unit and Pico-BTS radio unit. The Pico-BTS is located at base of a pole, tower or support and it transmits and receives signals through mounted antenna and communicates with Pico Main Unit via wires or coaxial cable.

D3 discloses a base station system for mobile communication, comprising remote RF unit hub that receives and distributes frames transmitted by digital modem unit to RF units through Ethernet using twisted pair cable. The system has a digital modem unit to receive a signal framed on a format with a preset remote radio frequency (RF) unit frame and transmits set of frames over an Ethernet using a twisted pair cable. A remote RF unit hub receives and distributes the frames to RF units via the Ethernet using the cable. The RF units deframe the frames, modulate the deframed signal to an RF signal and transmit to a mobile terminal.

It is obvious that not all the technical features in claim 1, 16 and 34 are disclosed by D1, D2 or D3, therefore, claim 1, 16 and 34 have novelty under PCT Article 33(2). And not all the technical features in claim 2-15,17-33 and 35-46 are disclosed by D1, D2 or D3, therefore, claim 2-15,17-33 and 35-46 have novelty under PCT Article 33(2).

Claim 1-46 are not obvious to a person skilled in the art on the basis of D1, D2 or D3 or their combination, thus they have inventive step under PCT Article 33(3).

Claim 1-46 have industrial applicability under PCT Article 33(4), because the method claimed can be used in industry.